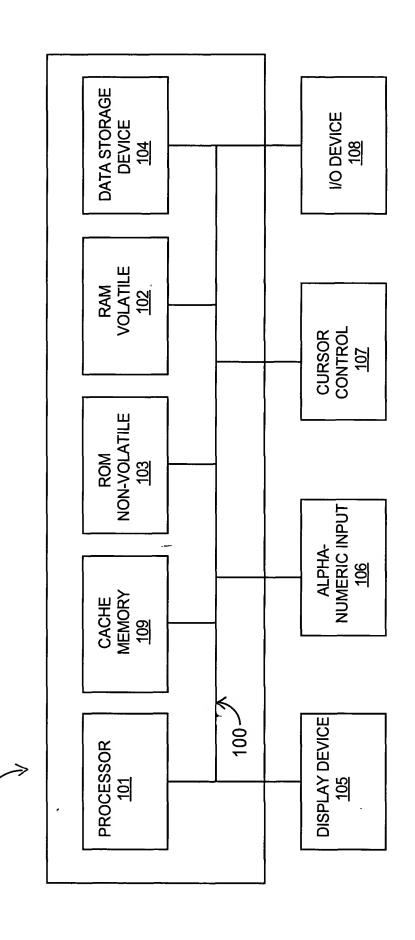
1/3

FIG. 1



TITLE: Automatically Reordering Variables as a Part of Compiling and Linking Source Code INVENTOR (S): Nathaniel McIntosh, Dmitry Mikulin ATTORNEY DOCKET #: HP-200311156-1

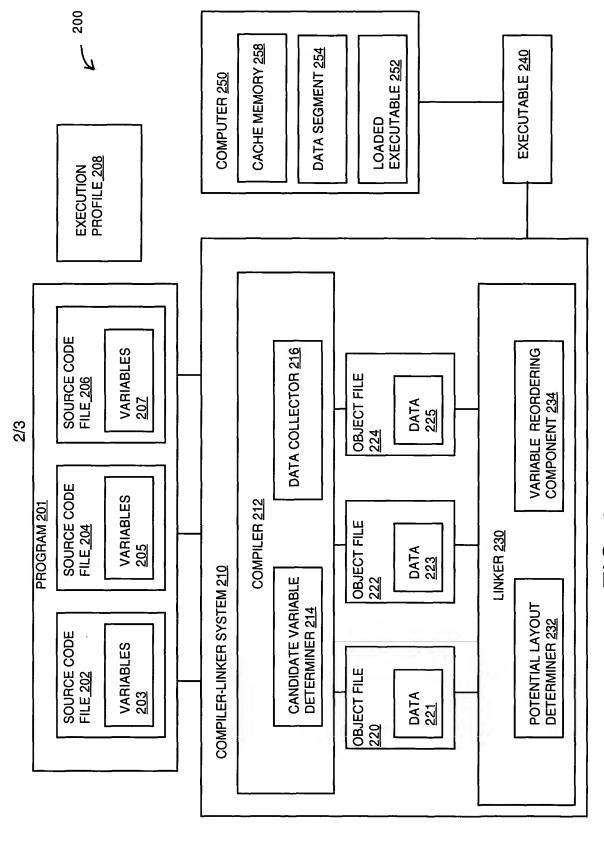


FIG. 2





## 302

AS A PART OF COMPILATION, IDENTIFY A SET OF VARIABLES THAT ARE CANDIDATES FOR REORDERING, WHEREIN THE CANDIDATE VARIABLES ARE ASSOCIATED WITH ONE OR MORE SOURCE CODE FILES THAT ARE BEING COMPILED.

## <u>304</u>

AS A PART OF COMPILATION, COLLECT DATA FOR DETERMINING A POTENTIAL LAYOUT FOR THE CANDIDATE VARIABLES.

## <u>306</u>

AS A PART OF LINKING, DETERMINE THE POTENTIAL LAYOUT BASED, AT LEAST IN PART, ON THE DATA.

## 308

AS A PART OF LINKING, REORDER THE VARIABLES BASED AT LEAST IN PART, ON THE POTENTIAL LAYOUT.

STOP